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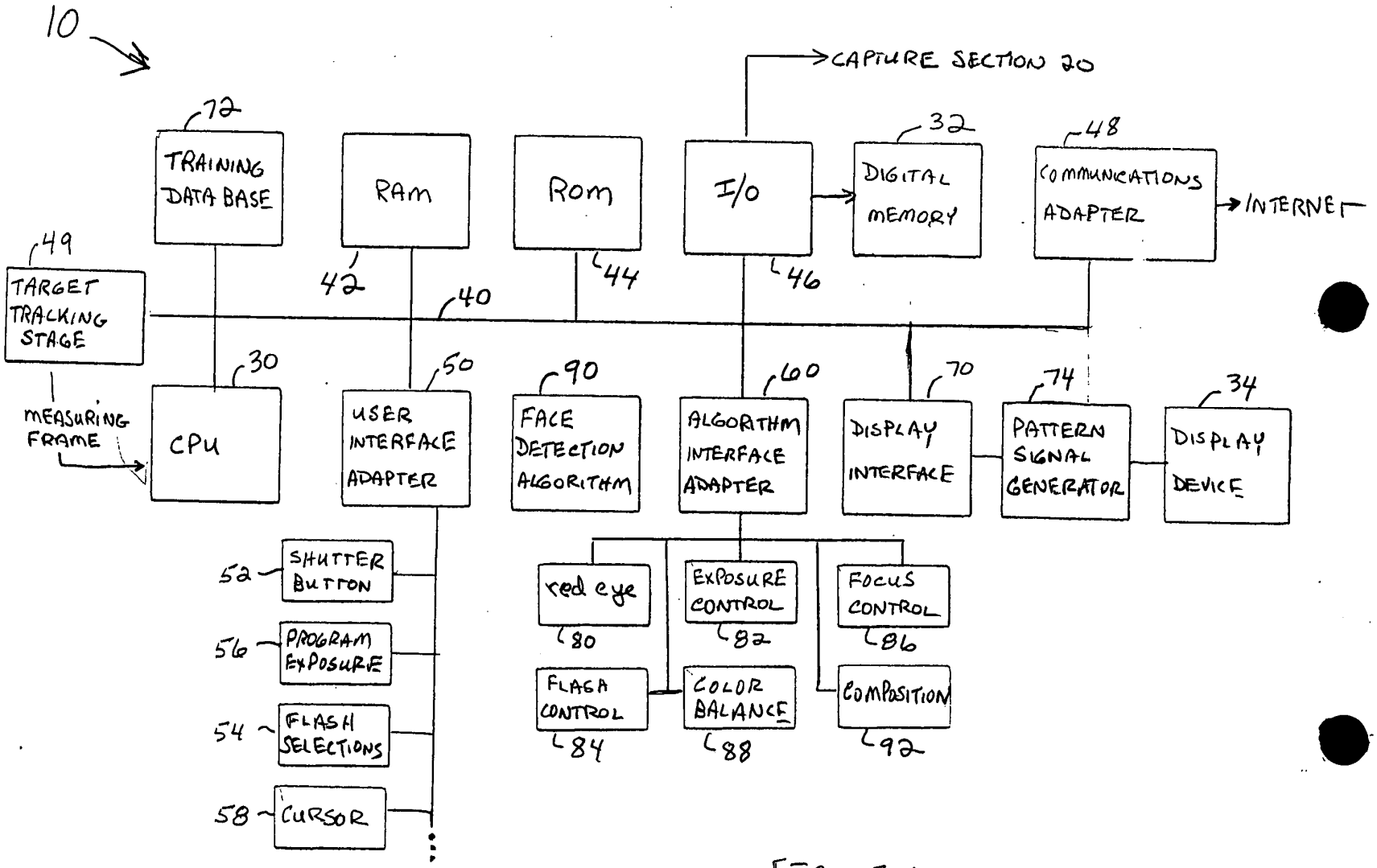


FIGURE 1

008220 "SEMT560

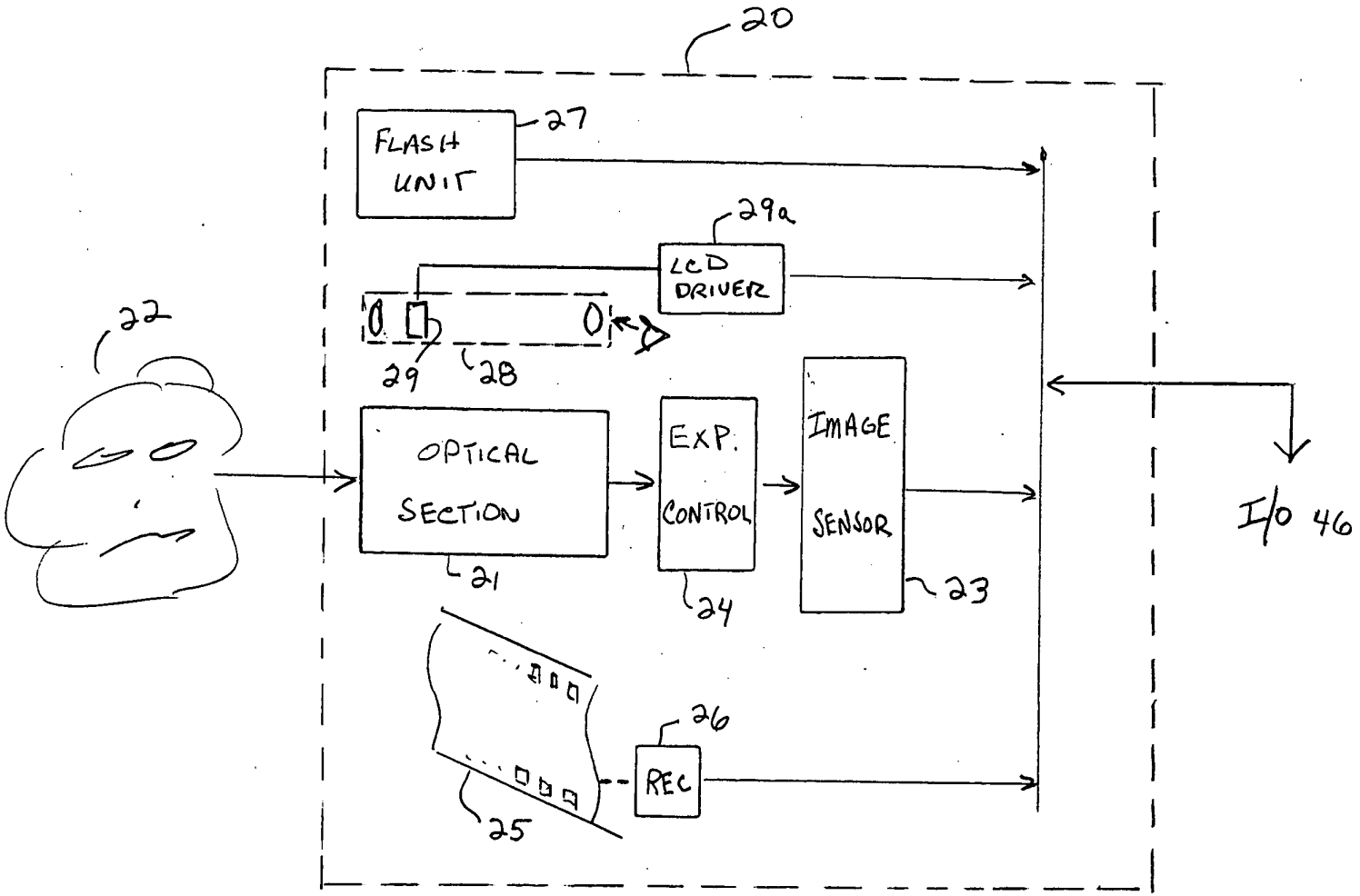


FIGURE 2

Figure 3 Flowchart of camera operations - framing image mode.

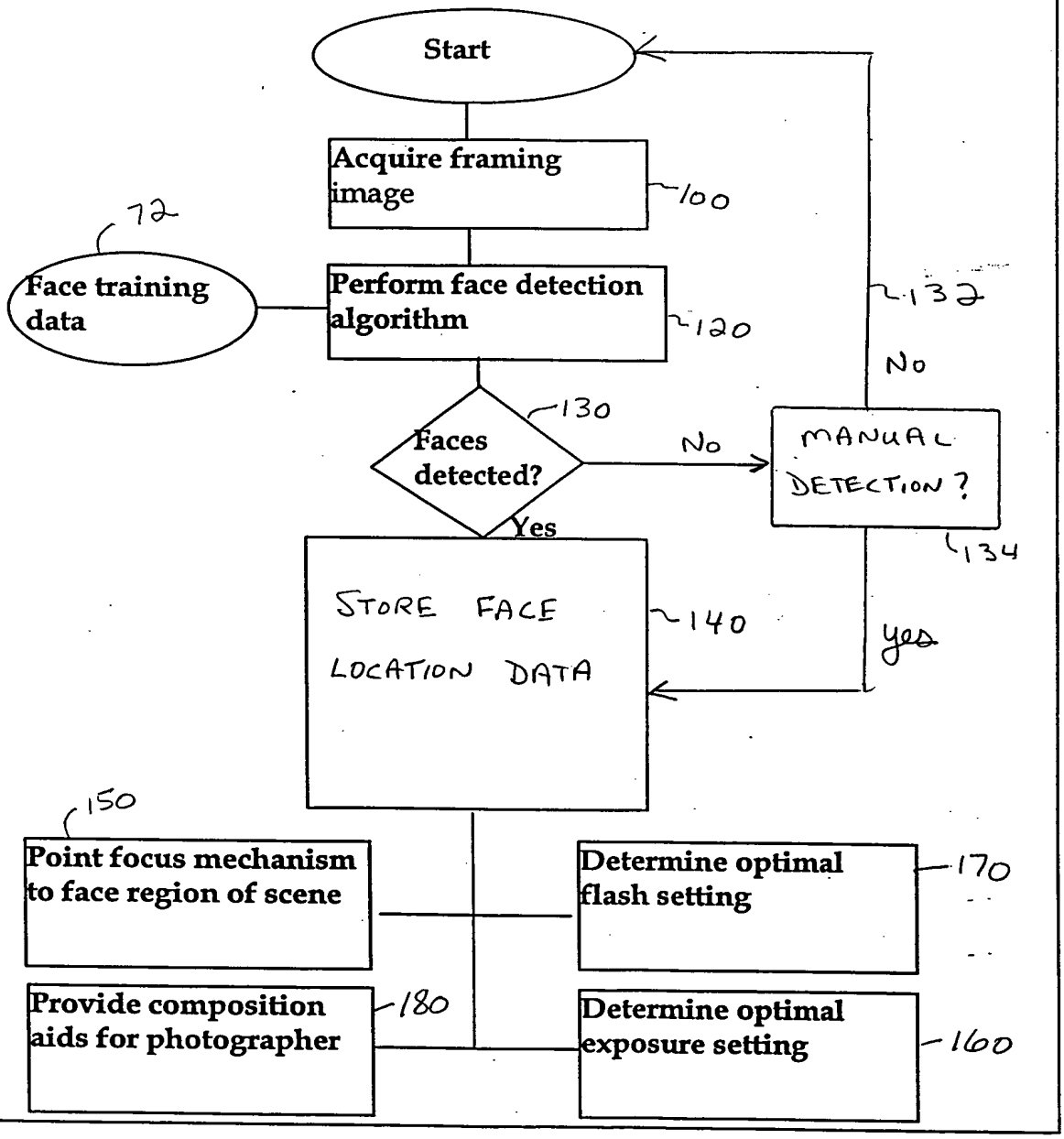
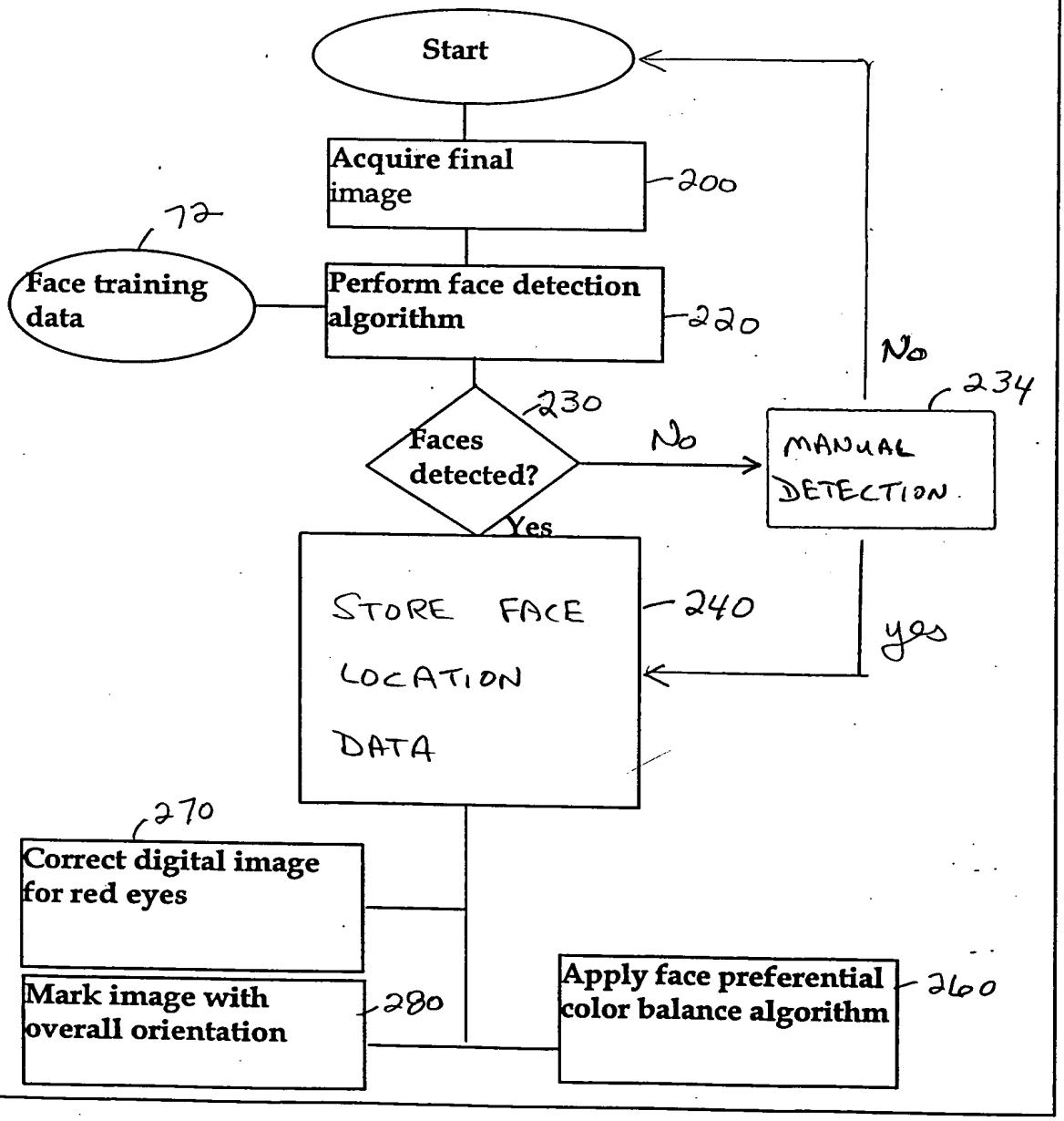


Figure 4 Flowchart of camera operations - final image mode.



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08/08/2005 15:44 [illegible]

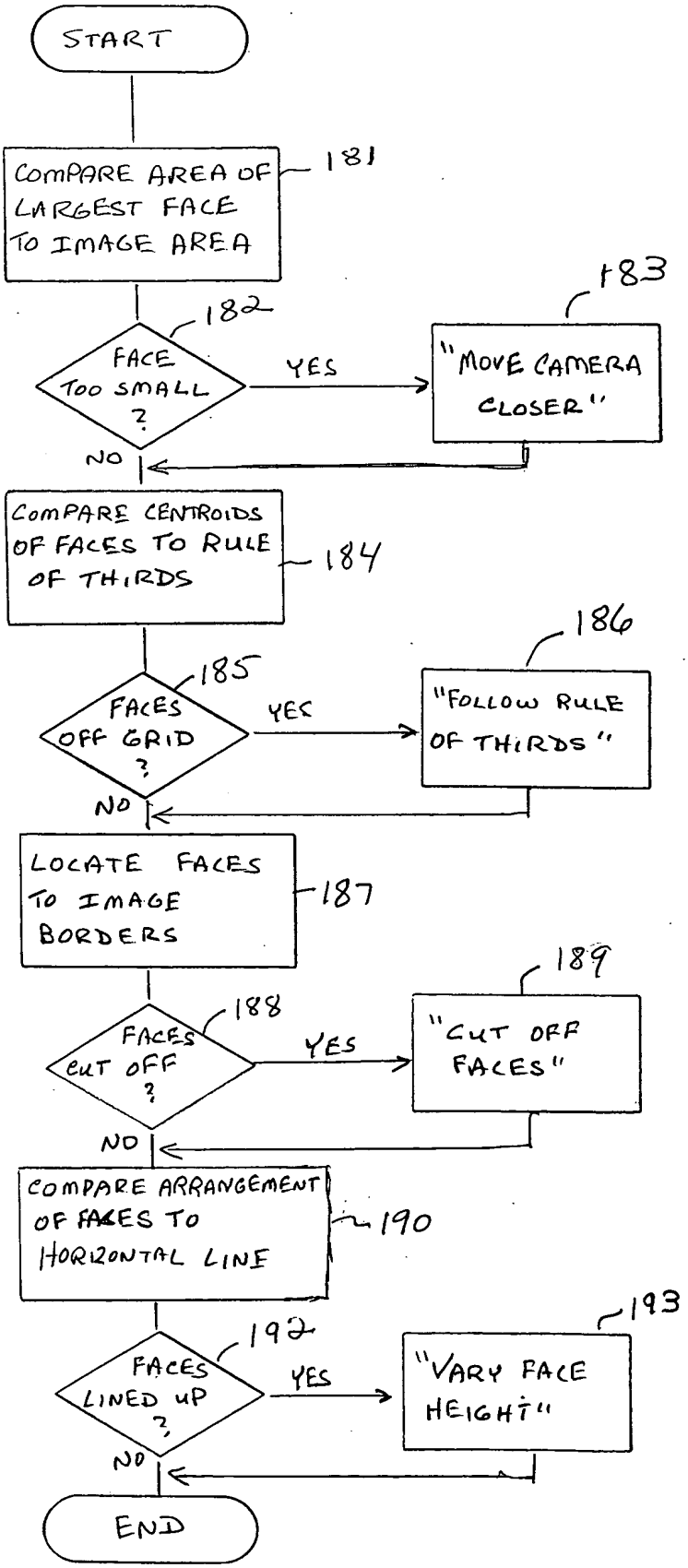

FIGURE 5

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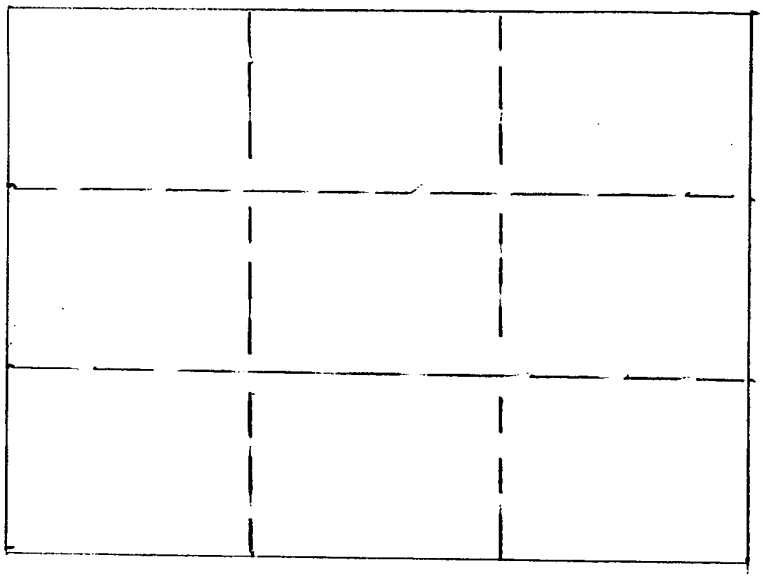

FIGURE 6

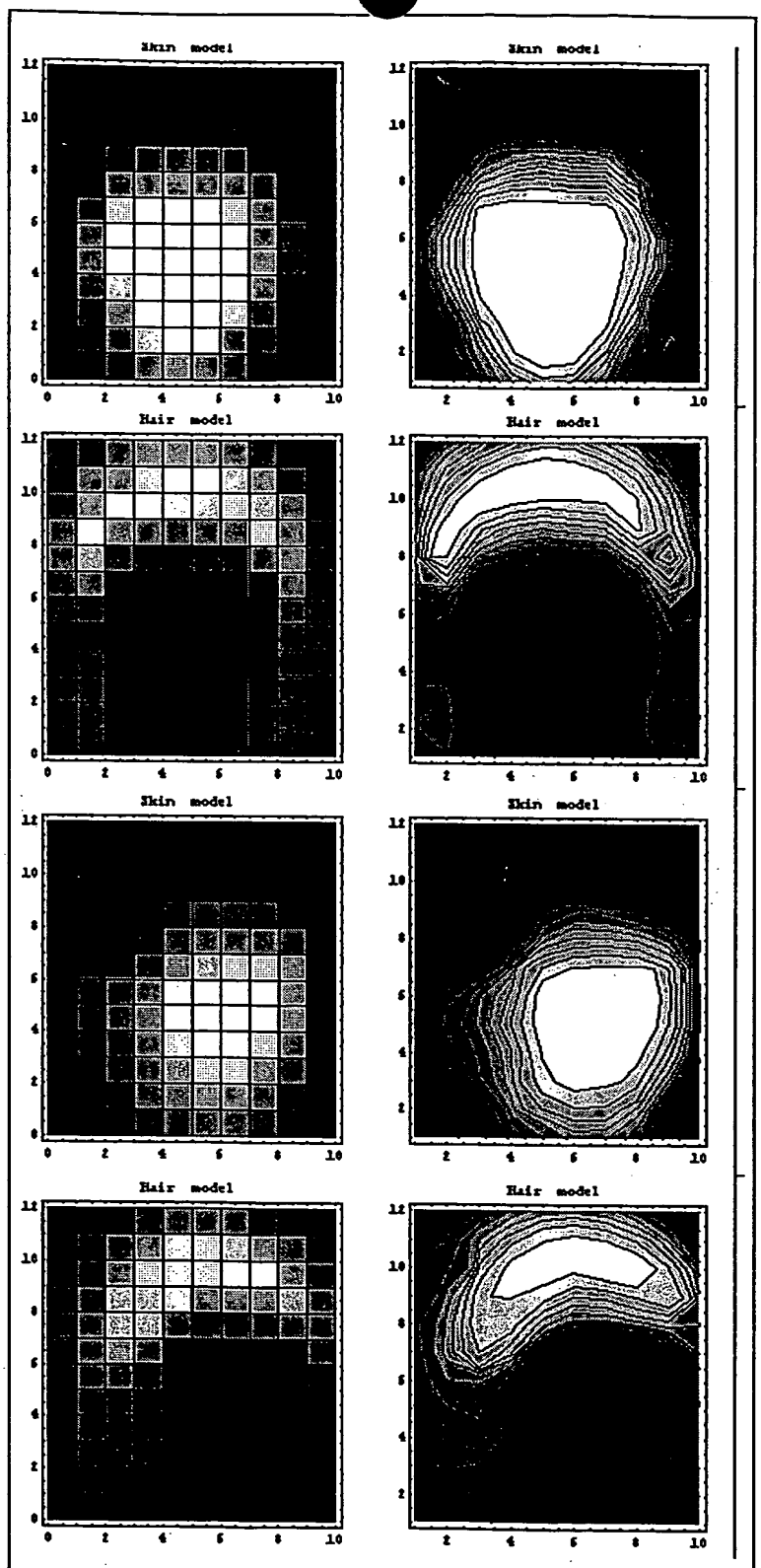

Figure 7. Head shape models for frontal and right semi-frontal poses.

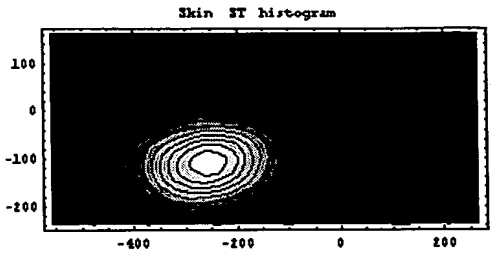

FIG. 8A

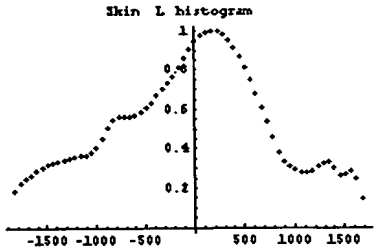

FIG. 8B

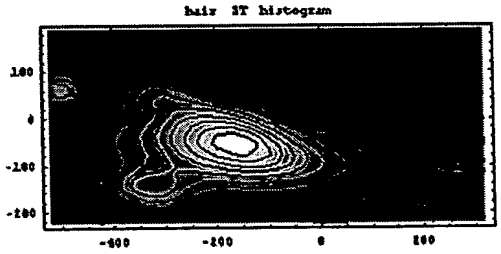

FIG. 9A

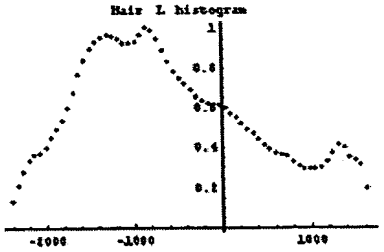

FIG. 9B

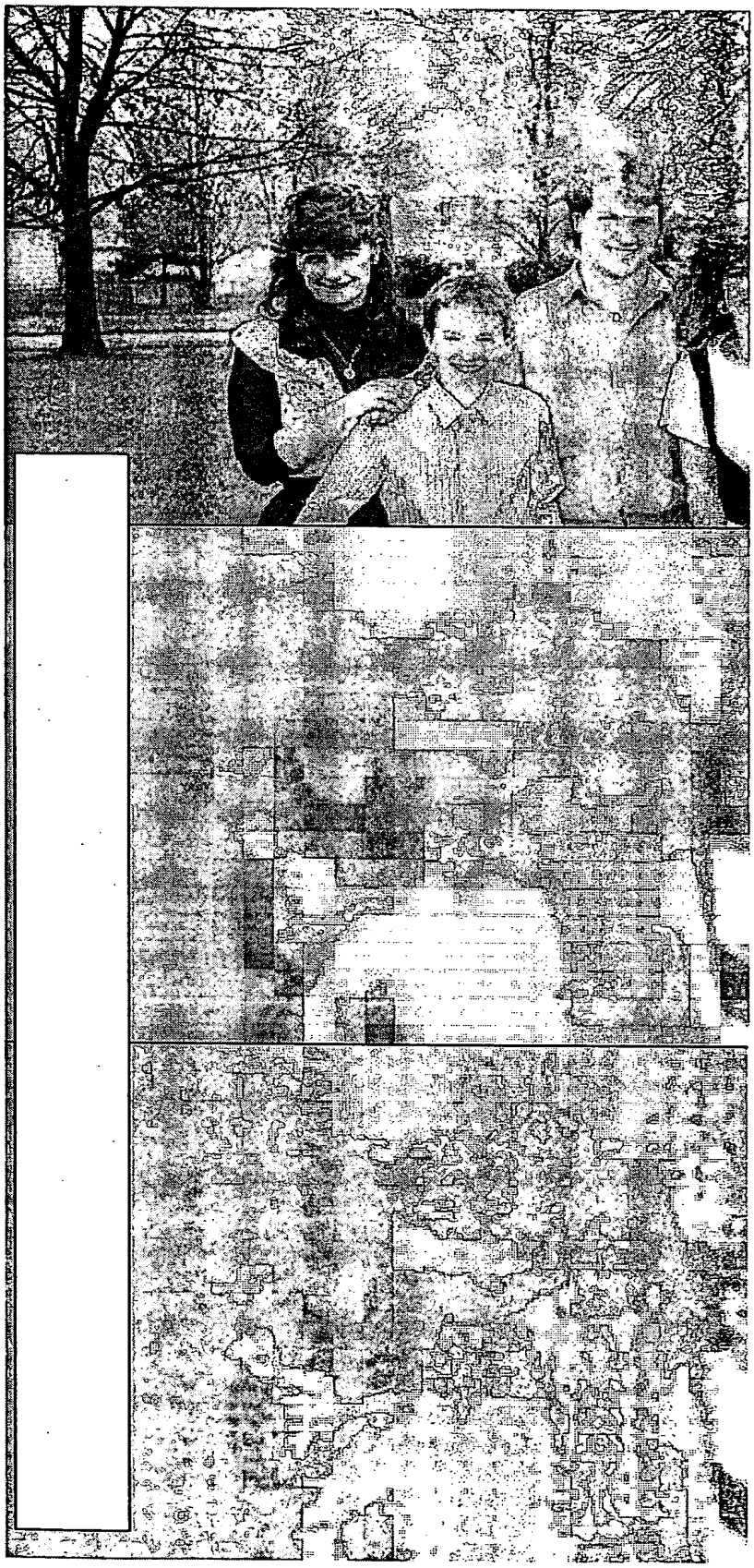

Figure . Sparse quantization as a method of image coding.

(a) An original image.
(b) Reconstruction from projections of subregions into twelve dimensional principal component space.
(c) Reconstruction from sparse coded and quantized version of (b).

Note that images (b) and (c) do not show all the encoded information. Rather, they shown the reconstructions from the encoding with subregions aligned with a tiled grid of 56x56 face regions. Simultaneous encodings capture further image information as the subregions are offset relative to the region grid.

FIGURE 10